
Shutdown Status at CDF

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for the CDF Operations Group

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General Status

- We are now completing week 4 of a 13 week shutdown.
- AD projects seem to be tracking reasonably well. No show stoppers found yet. Nothing identified at the moment that would lengthen the 13 week projection
- For CDF, 2 of the 3 scheduled power outages are over. Final power outage is scheduled for a week from Friday - Sept 24th at 7-7:30am.
 - There is a possibility this could slip later - we won't know for a few more days as COM ED looks at its equipment.

CPR Status

- CPR installation is on-going.
 - Hitting a number of hurdles as you undertake a project like this for the first time.
 - Intentionally going slow and making sure nothing is overlooked
 - No disasters so far.
 - Expect to complete Arch #1 (SE) next week - SW to follow
 - Still possible to be able to complete ALL 4 arches during this shutdown.
 - Do need to move faster on the remainder!
 - Biggest concern with this project at the moment is optical fibers availability.
 - Just in time delivery/testing so far
 - Don't have all of the material necessary to complete the fabrication of these cables
 - This will set the pace of the project
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Bore Status

- Silicon Work
 - Silicon cooling lines have been insulated
 - Prep work in progress for foaming behind the aluminum ring which will separate the SVX and COT volumes
 - Cooling line vacuum's measured
 - Junction card work complete?
 - COT work
 - ALL old faraday cages removed in locations where they will be replaced
 - New style faraday cages are now being installed
 - Noise work also in progress
 - Plan
 - Complete work in the bore by October 4th.
 - 4th-10th will be for dressing cables
 - Checkout with Silicon cold, baggies up beginning Oct 11th
 - Plugs close Oct 15th
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Other Items

- EM Timing installation mostly complete on the North Side, SW arch is done. 14 wedges remain - this will happen
 - Collision hall lighting done
 - Watt can vacuum system mostly complete - could define it to be complete but there is still a small leak I would like to chase
 - Calorimeter power supply remote control work in progress. Will finish ahead of schedule
 - Work on gas platforms going well.
 - Recirculation system maintenance
 - Installation of ports for filtering and the addition of a spare pump
 - Recirculation pump was rebuilt
 - Installation of new oxygen monitoring system for all chambers
 - Variety of minor jobs
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Next Week

- SE Arch will be pushed in and the SW will be pulled out for CPR installation (Thursday or Friday)
 - Miniskirts on west side will be pushed apart for access
 - SVX silicon chiller will be turned off on Tuesday for maintenance. ISL will follow on either Tues or Wed depending on how long this job takes
 - Begin Cable tray installation from AH to CH for new XFT fibers, CPR HV etc
 - 30 minute power outage on Friday
 - BA compressor house will go down which means we will need to switch to TEV header to keep the plant running
 - Warm cryo wet engine to see whether we can fix a leaky piston
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Longer Term

- Could START flowing flammable gas to some muon chambers in early October
- Plugs close Oct 15th
- Solenoid checkout the following week
- Installation of new low beta quad supports currently scheduled for October 18th
 - no access to endwalls while this is happening
 - Work should take about 1 week in total
- Once silicon is cold and fully checked out - we will lower its operating point from -6C to -10C. Should help with rad damage issues